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EPA 04700502

POTENTIAL HAZARDOUS WASTE SITE
PRELIMINARY ASSESSMENT
PART 1 - SITE INFORMATION AND ASSESSMENT

I. IDENTIFICATION

01 STATE	02 SITE NUMBER
ILD	990785552

II. SITE NAME AND LOCATION

01 SITE NAME (Legal, common, or descriptive name of site)	02 STREET, ROUTE NO., OR SPECIFIC LOCATION IDENTIFIER
CHAMPION LABORATORIES INC.	105 E. WALNUT

03 CITY	04 STATE	05 ZIP CODE	06 COUNTY	07 COUNTY CODE	08 CONG DIST
ALBION	IL	62806	EDWARDS	47	19

09 COORDINATES LATITUDE	LONGITUDE	
38 24 20.0	088 03 30.0	ALBION NORTH QUAD

10 DIRECTIONS TO SITE (Starting from nearest public road)

APPROXIMATELY 2 MILES NORTH OF ALBION ON HIGHWAY 130 ON THE WEST SIDE OF ROAD

III. RESPONSIBLE PARTIES

01 OWNER (If known)	02 STREET (Business, mailing, residential)
CHAMPION LABORATORIES INC.	105 E. WALNUT

03 CITY	04 STATE	05 ZIP CODE	06 TELEPHONE NUMBER
ALBION	IL	62806	(618) 445-2395

07 OPERATOR (If known and different from owner)	08 STREET (Business, mailing, residential)
SAME	

09 CITY	10 STATE	11 ZIP CODE	12 TELEPHONE NUMBER
			( )

13 TYPE OF OWNERSHIP (Check one)

☒ A. PRIVATE ☐ B. FEDERAL: _____ (Agency name) ☐ C. STATE ☐ D. COUNTY ☐ E. MUNICIPAL

☐ F. OTHER: _____ (Specify) ☐ G. UNKNOWN

14 OWNER/OPERATOR NOTIFICATION ON FILE (Check all that apply)

☒ A. RCRA 3001 DATE RECEIVED: 8/11/80 (MONTH DAY YEAR) ☐ B. UNCONTROLLED WASTE SITE (CERCLA 103 c) DATE RECEIVED: / / (MONTH DAY YEAR) ☐ C. NONE

IV. CHARACTERIZATION OF POTENTIAL HAZARD

01 ON SITE INSPECTION

☒ YES DATE 5/21/81 (MONTH DAY YEAR)
☐ NO
11/7/84

BY (Check all that apply)

☐ A. EPA ☐ B. EPA CONTRACTOR ☒ C. STATE ☐ D. OTHER CONTRACTOR
☐ E. LOCAL HEALTH OFFICIAL ☐ F. OTHER: _____ (Specify)

CONTRACTOR NAME(S): _____

02 SITE STATUS (Check one)	03 YEARS OF OPERATION
☒ A. ACTIVE ☐ B. INACTIVE ☐ C. UNKNOWN	1968 (BEGINNING YEAR) / _____ (ENDING YEAR) ☐ UNKNOWN

04 DESCRIPTION OF SUBSTANCES POSSIBLY PRESENT, KNOWN, OR ALLEGED

SLUDGES (TOXIC/PERSISTANT)
OILY WASTE (SOLUBLE/FLAMMABLE)
SOLVENTS (TOXIC/PERSISTANT/FLAMMABLE)
BASES (CORROSIVE) ACIDS (CORROSIVE)

05 DESCRIPTION OF POTENTIAL HAZARD TO ENVIRONMENT AND/OR POPULATION

GROUNDWATER (POPULATION/ENVIRONMENT)
SURFACE WATER (POPULATION/ENVIRONMENT)

V. PRIORITY ASSESSMENT

01 PRIORITY FOR INSPECTION (Check one. If high or medium is checked, complete Part 2 - Waste Information and Part 3 - Description of Hazardous Conditions and Incidents)

☒ A. HIGH (Inspection required promptly) ☐ B. MEDIUM (Inspection required) ☐ C. LOW (Inspect on time available basis) ☐ D. NONE (No further action needed, complete current disposition form)

VI. INFORMATION AVAILABLE FROM

01 CONTACT	02 OF (Agency/Organization)	03 TELEPHONE NUMBER
MR. STEVEN STORKMAN (G.M.)	CHAMPION LABORATORIES INC.	(618) 445-2395

04 PERSON RESPONSIBLE FOR ASSESSMENT	05 AGENCY	06 ORGANIZATION	07 TELEPHONE NUMBER	08 DATE
KENNETH W. CORKILL	EPA	RPMS	(217) 782-6760	2 7 86 (MONTH DAY YEAR)

EPA FORM 2070-12 (7-81)

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POTENTIAL HAZARDOUS WASTE SITE
PRELIMINARY ASSESSMENT
PART 2 - WASTE INFORMATION

I. IDENTIFICATION

01 STATE	02 SITE NUMBER
ILD	980785552

II. WASTE STATES, QUANTITIES, AND CHARACTERISTICS

01 PHYSICAL STATES (Check all that apply)

(A) SOLID
(B) POWDER FINES
(C) SLUDGE
(D) OTHER (Specify)
(E) SLURRY
(F) LIQUID
(G) GAS

02 WASTE QUANTITY AT SITE (Measures of waste quantities must be independent)

TONS
CUBIC YARDS: UNKNOWN
NO OF DRUMS: 17 + UNKNOWN AMOUNT IN STORAGE TANKS

03 WASTE CHARACTERISTICS (Check all that apply)

(A) TOXIC
(B) CORROSIVE
C RADIOACTIVE
(D) PERSISTENT
(E) SOLUBLE
F INFECTIOUS
(G) FLAMMABLE
H IGNITABLE
I HIGHLY VOLATILE
J EXPLOSIVE
K REACTIVE
L INCOMPATIBLE
M NOT APPLICABLE

III. WASTE TYPE

CATEGORY	SUBSTANCE NAME	01 GROSS AMOUNT	02 UNIT OF MEASURE	03 COMMENTS
SLU	SLUDGE	UNKNOWN	CY	CHROME REDUCTION SLUDGE, AUTOMOTIVE + METAL WASH SLUDGE
OLW	OILY WASTE	UNKNOWN	GA	TAPPING FLUID 90% WATER 10% POLYSULPHIDE & PETROLEUM SOLVENT
SOL	SOLVENTS	17 + UNKNOWN	DRUMS +	STORAGE TANKS
PSD	PESTICIDES			
OCC	OTHER ORGANIC CHEMICALS			
ICC	INORGANIC CHEMICALS			
ACD	ACIDS	UNKNOWN	GA	BOTH ARE USED FOR SEPARATE FUNCTIONS BUT ARE MIXED TOGETHER FOR NEUTRALIZATION AT DISPOSAL TIME
BAS	BASES	UNKNOWN	GA	
MES	HEAVY METALS			

IV. HAZARDOUS SUBSTANCES (See Appendix for most frequently cited CAS Numbers)

01 CATEGORY	02 SUBSTANCE NAME	03 CAS NUMBER	04 STORAGE/DISPOSAL METHOD	05 CONCENTRATION	06 MEASURE OF CONCENTRATION
SOL	1,1,1 TRICHLOROETHANE	25323-89-1	DRUMS	UNKNOWN	—
SOL	BUTYL ACETATE	123-86-4	DRUMS	UNKNOWN	—
ACD	PHOSPHORIC ACID	7664-38-2	TK	UNKNOWN	—
BAS	SODIUM HYDROXIDE	1310-73-2	TK	UNKNOWN	—

V. FEEDSTOCKS (See Appendix for CAS Numbers)

CATEGORY	01 FEEDSTOCK NAME	02 CAS NUMBER	CATEGORY	01 FEEDSTOCK NAME	02 CAS NUMBER
FDS			FDS		
FDS			FDS		
FDS			FDS		
FDS			FDS		

VI. SOURCES OF INFORMATION (Cite specific references e.g., state files, sample analysis, reports)

- IEPA LAND FILES
- HAZARDOUS GENERATOR REPORT

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POTENTIAL HAZARDOUS WASTE SITE
PRELIMINARY ASSESSMENT
PART 3 - DESCRIPTION OF HAZARDOUS CONDITIONS AND INCIDENTS

I. IDENTIFICATION

01 STATE	02 SITE NUMBER
ILD	990755552

II. HAZARDOUS CONDITIONS AND INCIDENTS

01 [X] A. GROUNDWATER CONTAMINATION
03 POPULATION POTENTIALLY AFFECTED: 2845
02 [ ] OBSERVED (DATE ____ ____) [X] POTENTIAL [ ] ALLEGED
04 NARRATIVE DESCRIPTION

APPROXIMATELY 200 RURAL RESIDENCES (560 PERSONS) AND THE CITY OF ALBION (2285 PERSONS) ARE LOCATED WITHIN A THREE-MILE RADIUS OF CHAMPION LABS.

01 [X] B. SURFACE WATER CONTAMINATION
03 POPULATION POTENTIALLY AFFECTED: 0
02 [ ] OBSERVED (DATE: ____ ____) [X] POTENTIAL [X] ALLEGED
04 NARRATIVE DESCRIPTION

NO INTAKES HAVE BEEN INDICATED WITHIN A TWO MILE RADIUS OF CHAMPION LABS. NO CONTAMINANT WAS OBSERVED TO BE RUNNING OFF-SITE, HOWEVER, PUDDLES & FLOW STAINS WERE NOTED AROUND TANKS & IN THE RAIL ROAD SIDING DITCH WHICH ULTIMATELY LEADS OFF-SITE

01 [ ] C. CONTAMINATION OF AIR
03 POPULATION POTENTIALLY AFFECTED: ____
02 [ ] OBSERVED (DATE ____) [ ] POTENTIAL [ ] ALLEGED
04 NARRATIVE DESCRIPTION

01 [X] D. FIRE/EXPLOSIVE CONDITIONS
03 POPULATION POTENTIALLY AFFECTED: 1664
02 [ ] OBSERVED (DATE ____) [X] POTENTIAL [ ] ALLEGED
04 NARRATIVE DESCRIPTION

APPROX. 60 RURAL RESIDENCES (168 PERSONS) AND APPROX. 2/3 OF THE CITY OF ALBION (1496 PERSONS) ARE WITHIN 2 MILES OF CHAMPION LABS. WASTE SOLVENT FROM THE PYROIL DIVISION WILL REACT WITH ALKALINE WASH (CORROSIVE) FROM THE CHAMPION DIVISION IF MISTAKENLY COMBINED.

01 [ ] E. DIRECT CONTACT
03 POPULATION POTENTIALLY AFFECTED: ____
02 [ ] OBSERVED (DATE ____) [ ] POTENTIAL [ ] ALLEGED
04 NARRATIVE DESCRIPTION

01 [ ] F. CONTAMINATION OF SOIL
03 AREA POTENTIALLY AFFECTED: ____ (Acres)
02 [ ] OBSERVED (DATE ____) [ ] POTENTIAL [ ] ALLEGED
04 NARRATIVE DESCRIPTION

01 [X] G. DRINKING WATER CONTAMINATION
03 POPULATION POTENTIALLY AFFECTED: 2845
02 [ ] OBSERVED (DATE ____) [X] POTENTIAL [ ] ALLEGED
04 NARRATIVE DESCRIPTION

SAME AS "A"

01 [ ] H. WORKER EXPOSURE/INJURY
03 WORKERS POTENTIALLY AFFECTED: ____
02 [ ] OBSERVED (DATE ____) [ ] POTENTIAL [ ] ALLEGED
04 NARRATIVE DESCRIPTION

01 [ ] I. POPULATION EXPOSURE/INJURY
03 POPULATION POTENTIALLY AFFECTED: ____
02 [ ] OBSERVED (DATE ____) [ ] POTENTIAL [ ] ALLEGED
04 NARRATIVE DESCRIPTION

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POTENTIAL HAZARDOUS WASTE SITE
PRELIMINARY ASSESSMENT
PART 3 - DESCRIPTION OF HAZARDOUS CONDITIONS AND INCIDENTS

I. IDENTIFICATION
01 STATE: ILD | 02 SITE NUMBER: 9907855552

II. HAZARDOUS CONDITIONS AND INCIDENTS (Continued)

01 ☐ J. DAMAGE TO FLORA
04 NARRATIVE DESCRIPTION
02 ☐ OBSERVED (DATE: _____) ☐ POTENTIAL ☐ ALLEGED

01 ☐ K. DAMAGE TO FAUNA
04 NARRATIVE DESCRIPTION (Include name(s) of species)
02 ☐ OBSERVED (DATE: _____) ☐ POTENTIAL ☐ ALLEGED

01 ☐ L. CONTAMINATION OF FOOD CHAIN
04 NARRATIVE DESCRIPTION
02 ☐ OBSERVED (DATE: _____) ☐ POTENTIAL ☐ ALLEGED

01 ☒ M. UNSTABLE CONTAINMENT OF WASTES (Spills, runoff, standing liquids, leaking drums)
02 ☐ OBSERVED (DATE: _____) ☒ POTENTIAL ☐ ALLEGED
03 POPULATION POTENTIALLY AFFECTED: 0
04 NARRATIVE DESCRIPTION
UNDERGROUND STORAGE TANK AREA HAS POTENTIAL FOR CONTAMINATING GROUND WATER. SITE HAS EVIDENCE OF SPILLS & RUNOFF TO DRAINAGE DITCHES.

01 ☐ N. DAMAGE TO OFFSITE PROPERTY
04 NARRATIVE DESCRIPTION
02 ☐ OBSERVED (DATE: _____) ☐ POTENTIAL ☐ ALLEGED

01 ☒ O. CONTAMINATION OF SEWERS, STORM DRAINS, WWTPs
04 NARRATIVE DESCRIPTION
02 ☐ OBSERVED (DATE: _____) ☐ POTENTIAL ☒ ALLEGED
RINSE WATER (USED AFTER A PHOSPHORIC ACID AND RUST INHIBITOR WASH) AND RUST INHIBITOR SLUDGE ARE DISCHARGED TO THE SANITARY SEWER SYSTEM

01 ☐ P. ILLEGAL/UNAUTHORIZED DUMPING
04 NARRATIVE DESCRIPTION
02 ☐ OBSERVED (DATE: _____) ☐ POTENTIAL ☐ ALLEGED

05 DESCRIPTION OF ANY OTHER KNOWN, POTENTIAL, OR ALLEGED HAZARDS

III. TOTAL POPULATION POTENTIALLY AFFECTED: 2345

IV. COMMENTS

FURTHER INVESTIGATION & SAMPLING NEEDS TO BE DONE AT THIS SITE AS THERE SEEMS TO BE QUESTIONS ABOUT WHAT EXACTLY IS ON THE GROUND, IN THE SHOP AREAS & IN THE DRAINAGE DITCHES.

V. SOURCES OF INFORMATION (Cite specific references, e.g., state files, sample analysis, reports)

- IEPA LAND FILES

EPA FORM 2070-12 (7-81)

Executive Summary

Champion Laboratories Inc. of Albion, Illinois began operation in 1970 and are their own owner/operator. Three divisions of the same corporation are maintained in four buildings on the property. The Pyroil Division formulates and packages automotive products. The Champion Division manufactures automotive air and oil filters. The Luber-finer Division manufactures changeable element filters and components. A warehouse and shipping facility is located on Route 130 at the south edge of Albion. Another plant of the Champion Division is located in West Salem, Illinois.

The Champion Labs site occupies approximately 4 acres in the SE 1/4 of the NE 1/4 of the SE 1/4 of Section 26, Township 1 South, Range 10 East in Edwards County.

The three divisions of Champion Labs were most recently inspected on November 7, 1984 by IEPA. Interviews and a tour of the facilities were completed. Seventeen drums were found on site with various wastes in them. Wastes were chrome waste liquid and sludge (7 drums), solvents and degreasers (Butyl Acetate, alcohol and ink, 8 drums; waste trichloroethane, 2 drums). Above and below ground storage tanks were also noted on site being both waste and bulk storage tanks.

The Pyroil Division has an unknown number of outdoors bulk storage tanks with an unknown capacity and approximately four formulation tanks inside their building. Formulation is of both water based and solvent based products including radiator chemicals, deicers, windshield cleaners and oil additives. When the tanks are cleaned the employees use water, stoddard solvent or mineral spirits. This is drained to an underground holding tank which is pumped dry and the waste taken to a salt well. This occures about once a week. This tank is supposed to have a steel bottom but the integrity is not known. A check on this should be done. This area has stains and discolored puddles all around the tank. Pyroil's tank farm area is bermed and has a gravel cover but it is not known if there is a lining. This area also was discolored (black-light orange) and puddles were noted. A sump in the southeast corner of the bermed area was covered with an oily material. This sump discharges into a railroad siding ditch which then runs into a large drainage way and off-site. Evidence of flow was present (discolored stains).

The Champion Division processes metal parts through a hot alkali wash and a bath of rust inhibitor. All waste solution and sludge is placed in an above ground 20 foot tall, 10 foot diameter steel holding tank which is ultimately hauled and disposed of down the salt well.

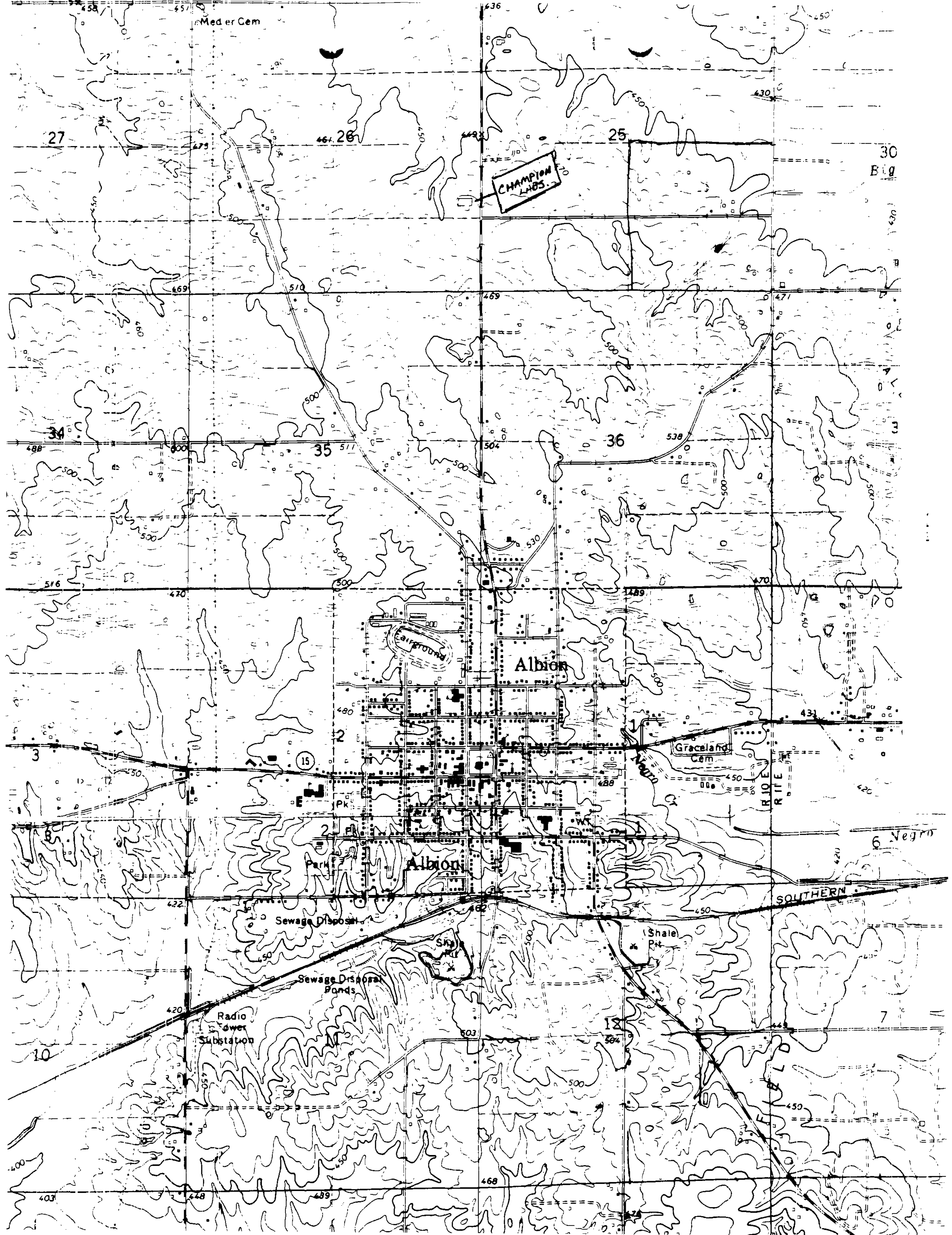
The Luber-finer Division processes metal parts through a phosphoric acid wash, water rinse and a rust inhibitor bath. They also have a separate wash of sodium hydroxide. The acid wash and sodium hydroxide solution is pumped into a vacuum truck where neutralization occurs. No disposal point was noted. It is suspected that this solution ends up down the salt well also.

The trichloroethane is used in the vapor degreaser which produces approximately two drums of waste when used, which is infrequently.

No manifests were being used and no permits were noted to exist.

This site warrents further investigation stemming from inspections finding discolored stains and/or flow evidence plus the fact that no analysis of the various wastes, both in holding tanks and drums, have been done. Also of great concern are the underground waste holding tanks as their integrity is unknown and could contaminate ground water if eroded. An investigation into the disposal method of all wastes should be completed also. This site is given a high priority.

KC:rmi/0352F/51-52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CHAMPION LABS.
Albion
Albion
Fairground
Graceland Cem
Negro Cr
SOUTHERN
Sewage Disposal
Sewage Disposal Ponds
Shale Pit
Shale Pit
Radio Tower
Substation
Pk
Park
WT
Big
R 10 E
R 11 E
FIELD
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